

C E M E N T

AND

C E M E N T M A N U F A C T U R E

INCORPORATING "PORTLAND CEMENT"

Published by Concrete Publications Ltd., 20 Dartmouth Street, London, S.W.1

INDEX to VOL. VIII, 1935.

	PAGE
Acids, Resistance of cements in corrosive solutions and	56
Air separator, Universal, by A. B. Helbig	149
Alite, Meta-alite, a metastable form of, by S. Solacolu	59
Researches on, by K. Koyanagi	69
Alkaline and sea-water, Deterioration of concrete structures in, by W. Watson and Q. L. Craddock	130
Alum-size for increasing the impermeability of concrete, by W. Obst	302
Aluminium chloride as a pozzolanic material, Residue from the manufacture of, by P. P. Budnikoff	102
Aluminous cements, Properties of mixtures of Portland and, by E. Reugade	80
Analysis of concrete, by R. H. H. Stanger and Woodcock and Mellersh	108
of set concrete	257, 303
AUTHORS:	
Blanks, R. F., on Low-heat cement	128
Budnikoff, P. P., on Residue from the manufacture of aluminium chloride as a pozzolanic material	162
Carlson, R. W., on The future of cement research	224
Chassevent, L., on Hardening of magnesia cement	283
Craddock, Q. L., and W. Watson on Deterioration of concrete structures in alkaline and sea-water,	
130; on Chemical considerations underlying the manufacture of Portland cement, 213;	
on Deterioration of Portland cement concrete, 165;	
on Fineness of Portland cement, 201;	
on The false set of Portland cement, 143; on Hydration, setting and hardening of Portland cement, 1;	
on The setting time of Portland cement, 50, 63;	
on Uncombined lime in Portland cements,	209
Czernin, W. G., on Refractories which harden by hydraulic action, 78;	
on Special cements	234
Ferrari, F., on Brownmillite cement	255
Frank, A., on Influence of fineness on the strength of Portland cement	59
Gilbert, W., on Heat transmission in rotary kilns	89
Gonnerman, H. F., on Cement composition in relation to strength and resistance of mortar	81
Gronow, H. E. von, and H. E. Schweite on Specific heats of raw materials for cement	189
Guttman, A., on Tensile strength of plain concrete	301
Hauslitschek, A., on Estimation of free lime in Portland cement	255
Helbig, A. B., on Universal air separator	149
Hirst, P., and T. W. Parker on Preparation and examination of thin sections of set cements	235
Holleck, L., on Dolomite mortar	141
Hoyer, F., on Crepe paper bags	149
Jesser, L., on The hardening of cement	229
Jordan, H., on Improvements in firing with pulverised coal	220
Kaempfe, F., on Reaction between blast-furnace slag and water	226
Kondo, S., and T. Yamauchi on Hydration of calcium silicates under the microscope	200
Kosaki, Y., and S. Nagai on Effects of fluorides on the thermal synthesis of calcium silicates	227
Koyanagi, K., on Researches on alite, 69; on The setting and hardening of Portland cement	142
Kremer, F., on Clinker rings in rotary kilns, 200; on Removal of clinker rings	254
Kühl, H., and A. Mann on The hydrated calcium silicates	260
Lacey, W. N., and H. Woods on Heat and material balances for a rotary kiln	174
Lea, F. M., on The composition and properties of Portland cement, 126; on The application of phase equilibrium studies on the system $\text{CaO-Al}_2\text{O}_3\text{-SiO}_2\text{-Fe}_2\text{O}_3$ to cement technology	29
Limmer, G., and E. B. R. Prideaux on The corrosion of Portland cement in water	288
Llewellyn, H. M., on Integral waterproofers	76
Mann, A., and H. Kühl on The hydrated calcium silicates	260
Margarit, A., on Production of cement and iron in the rotary kiln	281
Matsuoka, K., and S. Nagai on Studies on ore or iron cement	221
Matsuoka, K., S. Nagai and I. Yoshida on Studies on ore (or iron) cement	146
Mussgnug, G., on Raw material fineness and lime saturation of clinker	232
Nacken, R., on Action of water on tricalcium silicate	212
Nagai, S., and Y. Kosaki on Effects of fluorides upon the thermal synthesis of calcium silicates	227
Nagai, S., and K. Matsuoka on Studies on ore (or iron) cement	221
Nagai, S., and G. Sawayama on Celite as a constituent of Portland cement	59
Nagai, S., I. Yoshida and K. Matsuoka on Studies on ore (or iron) cement	146
Nagai, S., and T. Yoshiura on The effects of fluorides on thermal synthesis of calcium aluminates and calcium silicates	114
Obst, W., on Alum-size for increasing the impermeability of concrete	302
Parker, T. W., and P. Hirst on Preparation and examination of thin sections of set cements	235
Platzmann, C. R., on Determination of the proportions in mortar and concrete, 257; on A new system of cement testing	61

691.052 620629
C 33 331737

	PAGE		PAGE
Pogány, A., on A simplified method of testing the resistance of concrete to disintegration, 69; on Strength of concrete in the light of modern physics	16	CaO-Al ₂ O ₃ -SiO ₂ -Fe ₂ O ₃ to cement technology. The application of phase equilibrium studies on the system, by F. M. Lea	29
Poolley, H., on Extension of the cement works of the Coltness Iron Co., Ltd.	242, 261	Celite as a constituent of Portland cement, by A. Nagai and G. Sawayama	59
Prideaux, E. B. R., and G. Limmer on The corrosion of Portland cement in water	288	Cements, Preparation and examination of thin sections of set, by T. W. Parker and F. Hirst	235, 234
Rengade, E., on Properties of mixtures of Portland and aluminous cements	80	Special, by W. G. Czernin	234
Rodi, V., on Estimation of free lime in hardened cement, cement-trass mixtures and combined calcium hydrate in hardened lime-trass mixtures	255	Chemical considerations underlying the manufacture of Portland cement, by W. Watson and Q. L. Craddock	213
Rockwood, N. C., on Chemistry applied to cement manufacture	22	Chemistry applied to cement manufacture, by N. C. Rockwood	22
Rothfuchs, G., on Law of fineness distribution in cement	211	of cement	187
Sawayama, G., and S. Nagai on Celite as a constituent of Portland cement	59	Clinker and gas velocities in rotary kilns, Gas volumes per ton of	190
Schweite, H. E., and H. E. von Gronow on Specific heats of raw materials for cement	189	Raw material fineness and lime saturation of, by G. Mussgnug	232
Schweite, H. E., and H. zur Strassen on The effect of magnesia on tetracalcium aluminoferrite in Portland cement	173	of rings in rotary kilns, by F. Kremer	200
Searle, A. B., on Proposed new system of cement testing	113	Coal, Improvements in firing with pulverised, by H. Jordan	220
Solacolu, S., on Meta-alite, a metastable form of alite	59	Coles, The late Mr. W. J., on Extension of the cement works of the, by H. Poolley	242, 261
Stanger, R. H. H., and Woodcock and Mellersh on The analysis of concrete	108	Composition and properties of Portland cement, by F. M. Lea	128
Steiner, D., on Wet sieving for works control	211	in relation to strength and resistance of mortar, Cement, by H. F. Gonnerman	81
Steepe, A., on Determination of cement in mortar	230	of cement, Granulometric	225
Strassen, H. zur, and H. E. Schweite on The effect of magnesia on tetracalcium aluminoferrite in Portland cement	173	Concrete, Analysis of set	303
Sundius, N., on Optical properties of dicalcium silicate	302	Determination of the proportions in mortar and, by C. R. Platzmann	257
Watson, W., and Q. L. Craddock on Chemical considerations underlying the manufacture of Portland cement, 213; on Fineness of Portland cement, 201; on Uncombined lime in Portland cements, 200; on The setting time of Portland cement, 50, 63; on Deterioration of Portland cement concrete, 165; on Hydration, setting, and hardening of Portland cement, 1; on Deterioration of concrete structures in alkaline and sea-water, 130; on The false set of Portland cement	143	Deterioration of Portland cement, by W. Watson and Q. L. Craddock	165
Wittekindt, W., on Trass and free calcium hydroxide	223	in the light of modern physics, Strength of, by A. Pogány	16
Woodcock and Mellersh and R. H. H. Stanger on The analysis of concrete	108	Corrosion of Portland cement in water, by E. B. R. Prideaux and G. Limmer	288
Woods, H., and W. N. Lacey on Heat and material balances for a rotary kiln	174	Corrosive solutions, Resistance of cements in Czechoslovakian standard specifications for cements	56
Yamauchi, T., and S. Kondo on Hydration of calcium silicates under the microscope	200	Deterioration of concrete structures in alkaline and sea-water, by W. Watson and Q. L. Craddock	130
Yoshida, I., K. Matsuoka, and S. Nagai on Studies on ore (or iron) cement	146	of Portland cement concrete, by W. Watson and Q. L. Craddock	165
Yoshiura, T., and S. Nagai, on The effects of fluorides on thermal synthesis of calcium aluminates and calcium silicates	114	Determination of cement in mortar, by A. Steepe	220
Balances for a rotary kiln, Heat and material, by W. N. Lacey and H. Woods	174	of the proportions in mortar and concrete	257, 303
Blast-furnace slag and water, Reaction between, by F. Kaempfe	226	Dicalcium silicate, Optical properties of, by N. Sundius	302
Brownmillerite cement, by F. Ferrari	255	Disintegration, A simplified method of testing the resistance of concrete to, by A. Pogány	69
Calcium aluminates and calcium silicates, The effects of fluorides on thermal synthesis of, by S. Nagai and T. Yoshiura	114	Dolomite mortar, by L. Holleck	141
chloride on Portland cements and concrete, Effect of	207	Efflorescence in concrete	230
hydrate in hardened lime-trass mixtures, Estimation of free lime in hardened cement, cement-trass mixtures and combined, by V. Rodt	255	Expansion coefficients of Portland cements, Variations in thermal	161
hydroxide, Trass and free, by W. Wittekindt	223	False set of Portland cement, by W. Watson and Q. L. Craddock	143
silicates, Effects of fluorides on the thermal synthesis of, by S. Nagai and Y. Kosaki	227	Fineness and lime saturation of clinker, Raw material, by G. Mussgnug	232
silicates, Effects of fluorides on the thermal synthesis of calcium aluminates and, by S. Nagai and T. Yoshiura	114	distribution in cement, Law of, by G. Rothfuchs	211
silicates, The hydrated, by H. Kühl and A. Mann	200	of Portland cement, by W. Watson and Q. L. Craddock	201
silicates under the microscope, Hydration of by S. Kondo and T. Yamauchi	200	on the strength of Portland cement, Influence of, by A. Frank	59
		Fluorides on thermal synthesis of calcium aluminates and calcium silicates, The effects of, by S. Nagai and T. Yoshiura	114
		upon the thermal synthesis of calcium silicates, Effects of, by S. Nagai and Y. Kosaki	227
		Free lime in hardened cement, cement-trass mixtures and combined calcium hydrate in hardened lime-trass mixtures, Estimation of, by V. Rodt	255
		Gas volumes per ton of clinker and gas velocities in rotary kilns	190
		Gases in rotary cement kilns, Density of	273
		Granulometric composition of cement	225
		Hardening of cement, by L. Jesser	229
		of Portland cement, Hydration, setting and, by W. Watson and Q. L. Craddock	1
		of Portland cement, The setting and, by K. Koyanagi	142

	PAGE		PAGE
Heat and material balances for a rotary kiln, by W. N. Lacey and H. Woods...	174	Properties of Portland cement, The composition and, by F. M. Lea ...	126
" cement, Low, by R. F. Blanks...	218	Pulverised coal, Improvements in firing with, by H. Jordan ...	220
" transmission in rotary kilns, by W. Gilbert ...	89	Raw materials for cement, Specific heats of, by H. E. Schweite and H. E. von Gronow ...	189
Heats of raw materials for cement, Specific, by H. E. Schweite and H. E. von Gronow ...	189	Refractories which harden by hydraulic action, by W. G. Czernin ...	78
Hydration, setting and hardening of Portland cement, by W. Watson and Q. L. Craddock ...	1	Research, The future of cement, by R. W. Carlson ...	224
Iron cement, Studies on ore or, by S. Nagai, I. Yoshida and K. Matsuoka ...	146	Ropes, Lubrication of haulage ...	231
" cement, Studies on ore or, by S. Nagai and K. Matsuoka ...	221	Russian standard specifications for cements ...	122
" in the rotary kiln, Production of cement and, by A. Margarit... ..	281	Sea-water, Deterioration of concrete structures in alkaline and, by W. Watson and Q. L. Craddock ...	130
Kilns, Clinker rings in rotary, by F. Kremer ...	200	Sections of set cements, Preparation and examination of thin, by T. W. Parker and P. Hirst ...	235
" Density of gases in rotary cement ...	273	Set of Portland cement, The false, by W. Watson and Q. L. Craddock...	143
" Gas volumes per ton of clinker and gas velocities in rotary ...	190	Setting and hardening of Portland cement, by K. Koyanagi ...	142
Heat transmission in rotary, by W. Gilbert ...	89	" and hardening of Portland cement, Hydration, by W. Watson and Q. L. Craddock ...	1
Larsen, The late Mr. Poul ...	145	" time of Portland cement, by W. Watson and Q. L. Craddock ...	50, 63
Lime in hardened cement, cement-trass mixtures and combined calcium hydrate in hardened lime-trass mixtures, Estimation of free, by V. Rodt ...	255	Sieving for works control, Wet, by D. Steiner ...	211
" in Portland cement, Estimation of free, by A. Hanslitschek ...	255	Silicate, Optical properties of dicalcium, by N. Sundius ...	302
" in Portland cements, Uncombined, by W. Watson and Q. L. Craddock...	269	Slag and water, Reaction between blast-furnace, by F. Kaempfe ...	226
" saturation of clinker, Raw material fineness and, by G. Musgnug...	232	Slurry at various water contents and loss-on-ignition values, Weights and volumes of ...	150
Low-heat cement, by R. F. Blanks ...	128	Solutions, Resistance of cements in corrosive ...	56
Magnesia cement, Hardening of, by L. Chassevent...	283	Special cements, by W. G. Czernin ...	234
" on tetracalcium aluminoferrite in Portland cement, The effect of, by H. E. Schweite and H. zur Strassen ...	173	Specifications for cements, Czechoslovakian standard ...	119
Masonry cements ...	79	" for cements, Russian standard ...	122
Manufacture, Chemistry applied to cement, by N. C. Rockwood ...	22	" for Portland, cement, Standard ...	78
" of Portland cement, Chemical considerations underlying the, by W. Watson and Q. L. Craddock ...	213	" of the world, Comparison of the Portland cement ...	16, 69
Materials for cement, Specific heats of raw, by H. E. Schweite and H. E. von Gronow ...	189	Strength of concrete in the light of modern physics, by A. Pogány ...	16
Meta-alite, a metastable form of alite, by S. Solacolu	59	" of plain concrete, Tensile, by A. Guttmann	301
Mixtures of Portland and aluminous cements, Properties of, by E. Rengade ...	80	Testing, A new system of cement, by C. R. Platzmann ...	61
Mortar, Cement composition in relation to strength and resistance of, by H. F. Gonnerman...	81	" Constant temperature room for cement ...	182
" Determination of cement in, by A. Steopoe	220	" Proposed new system of cement, by A. B. Searle ...	113
" Dolomite, by L. Holleck ...	141	" the resistance of concrete to disintegration, A simplified method of, by A. Pogány ...	69
New Zealand, Cement manufacture in ...	284	Tetracalcium aluminoferrite in Portland cement, The effect of magnesia on, by H. E. Schweite and H. zur Strassen ...	173
Ore (or iron) cement, Studies on, by S. Nagai and K. Matsuoka ...	221	Thermal-expansion coefficients of Portland cements, Variations in ...	161
" (or iron) cement, Studies on, by S. Nagai, I. Yoshida and K. Matsuoka ...	146	" synthesis of calcium silicates, Effects of fluorides upon the, by S. Nagai and Y. Kosaki ...	227
Paper bags, Crepe, by F. Hoyer ...	149	" synthesis of calcium aluminates and calcium silicates, The effects of fluorides on, by S. Nagai and T. Yoshiura ...	114
Patents relating to cement, Recent 60, 86, 107, 163, 185, 283, 256, 280		Trass and free calcium hydroxide, by W. Wittekindt ...	223
Phase equilibrium studies on the system $\text{CaO-Al}_2\text{O}_3\text{-SiO}_2\text{-Fe}_2\text{O}_3$ to cement technology, by F. M. Lea...	29	" mixtures and combined calcium hydrate in hardened lime-trass mixtures, Estimation of free lime in hardened cement, cement, by V. Rodt ...	255
Portland and aluminous cements, Properties of mixtures of, by E. Rengade ...	80	Tricalcium silicate, Action of water on, by R. Nacken	212
Pozzolanic material, Residue from the manufacture of aluminium chloride as a, by P. P. Budnikoff ...	162	Waterproofers, Integral, by H. M. Llewellyn ...	77
Proportions in mortar and concrete, Determination of the... ..	257, 303		



